

**LAHIVE  
&  
COCKFIELD**  
LLP

COUNSELLORS AT LAW  
28 STATE STREET  
BOSTON, MASSACHUSETTS 02109-  
1784  
TELEPHONE (617) 227-7400  
FAX (617) 742-4214  
lc@lahcoc.com

JOHN A. LAHIVE JR. (1828-1997)  
THOMAS V. SMURZYNSKI  
RALPH A. LOREN  
GIULIO A. DECONTI, JR.  
ANN LAMPORT HAMMITTE  
ELIZABETH A. HANLEY  
AMY BAKER MANDRAGOURAS  
ANTHONY A. LAURETANO  
KEVIN J. CANNING  
JANE E. REMILLARD  
DANN FORAN SMITH  
JEANNE M. D'GIORGIO  
DEBRA J. MILASINIC, Ph.D.  
NICHOLAS P. TRIANO, III  
DAVID J. RIKKERS  
DAVID R. BURNS  
JOHN S. CURRAN

SEAN D. DETWEILER  
ADAM M. GOODMAN  
CYNTHIA L. KANIK, Ph.D.  
MEGAN E. WILLIAMS, Ph.D.  
RICHA NAND  
MICHAEL PHILLIPPS

SENIOR COUNSEL  
JAMES E. COCKFIELD

OF COUNSEL  
JEREMIAH LYNCH  
WILLIAM A. SCOFIELD, JR.  
PETER C. LAURO \*

PATENT AGENTS  
PETER S. STECHER

TECHNICAL SPECIALISTS  
MARIA LACCOTRIPE ZACHARAKIS, Ph.D. \*\*  
CYNTHIA M. SOROOS  
PETER W. DINI, Ph.D.  
EUMHOON LEE  
LISA M. D'ROCCO  
JENNIFER K. ROSENFELD  
JUDITH STONE-HULSLANDER, Ph.D.  
ALLAN TAMESHITI, Ph.D.  
CATHERINE E. McPHERSON  
ERIC F. WAGNER, Ph.D.  
SHAHID HASAN, Ph.D.  
ASHITA DOSHI, Ph.D.  
JACOB G. WEINTRAUB

\* Admitted in NY only  
\*\* Passed the Patent Bar Examination

**FACSIMILE COVER SHEET**  
**Immediate Delivery Requested**

**To: Examiner Michael C. Wilson**

**Company: United States Patent Office**

**Location: Group Art Unit 1633**

**Phone: 703-305-0120**

**Fax: 703-308-4242**

**From: Megan E. Williams, Esq.**  
**(Reg. No. 43,270)**

**Phone: (617) 227-7400**

**Fax: (617) 742-4214**

**Our Case No.: GNN-005: U.S. Serial No. 09/425,501**

**Date: April 9, 2001**

**Sent By: MEW/crl**

**Pages including this**

**cover page: Nine (9)**

**Message: PLEASE DELIVER TO: Examiner Michael C. Wilson**  
**(Group Art Unit: 1633)**

Transmitted herewith is a copy of PTO Form 1449 and "Reference B2" cited on page 2 of said Form 1449. These documents are part of a Response to Restriction Requirement with related papers filed today, April 9, 2001 for the above-referenced application. "Reference B2" may have been inadvertently omitted from the filing package mailed earlier today. Please note that the original Form 1449 was filed on even date. Should you have any questions or comments, do not hesitate to call us.

We apologize for any inconvenience this may have caused

The documents transmitted by this facsimile are intended for the use of the individual or the entity to which it is addressed and may contain information that is privileged, confidential and exempt from disclosure under applicable law. If the reader of the message is not the intended recipient, or the employee or agent responsible for delivering this document to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and return the original facsimile to us at the above address via the U.S. Postal Service. Thank you.

APPLICANT FACSIMILE OF FORM PTO-1449 REV 7-80	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO <b>GNN-005</b>	SERIAL NO. <b>09/425,501</b>
LIST OF PUBLICATIONS CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT <b>Mark, Robert et al.</b>	
		FILING DATE <b>October 22, 1999</b>	GROUP

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	A1	5,656,725	08/97	Chittenden et al	530	324

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

## OTHERS (including Author, Title, Date, Pertinent Pages, Etc.)

A2	Bear, James E. et al (7 Sep 1998) "SCAR, a WASP-related Protein, Isolated as a Suppressor of Receptor Defects in Late <i>Dictyostelium</i> Development" <i>The Journal of Cell Biology</i> 142(5) 1325-35;
A3	Derry, Jonathan M.J. et al. (26 Aug 1994) "Isolation of a Novel Gene Mutated in Wiskott-Aldrich Syndrome" <i>Cell</i> 78:635-44;
A4	Holinger, Eric P. (7 May 1999) "Bak BH3 Peptides Antagonize Bcl-x <sub>L</sub> Function and Induce Apoptosis through Cytochrome c-independent Activation of Caspases" <i>The Journal of Biological Chemistry</i> 274(19) 13298-13304.
A5	Korsmeyer, Stanley J. (1 Apr 1999) "BCL-2 Gene Family and the Regulation of Programmed Cell Death" <i>Cancer Research (Suppl)</i> 59:1693s-1700s;
A6	Machesky, Laura M. et al. (1999) "The Arp2/3 complex: a multifunctional actin organizer" <i>Current Opinion in Cell Biology</i> 11:117-121.
A7	Machesky, Laura M. et al. (1997) "Mammalian actin-related protein 2/3 complex localizes to regions of lamellipodial protrusion and is composed of evolutionarily conserved proteins" <i>Biochem. J.</i> 328:105-112;
A8	Machesky, Laura M. et al. (Mar 1999) "Scar, a WASp-related protein, activates nucleation of actin filaments by the Arp2/3 complex" <i>Proc. Natl. Acad. Sci. USA</i> 96:3739-3744;
A9	Machesky, Laura M. et al. (1998) "Scar1 and the related Wiskott-Aldrich syndrome protein, WASP, regulate the actin cytoskeleton through the Arp2/3 complex" <i>Current Biology</i> 8:1347-56;
A10	Miki, Hiroaki et al. (1996) "N-WASP, a novel actin-depolymerizing protein, regulates the cortical cytoskeletal rearrangement on a PIP2-dependent manner downstream of tyrosine kinases" <i>The EMBO Journal</i> 15(19):5326-35.
A11	Miki, Hiroaki et al. (1998) "WAVE, a novel WASP-family protein involved in actin reorganization induced by Rac" <i>The EMBO Journal</i> 17(23):6932-41.
A12	Mullins, R. D. et al. (May 1998) "The interaction of Arp2/3 complex with actin: Nucleation, high affinity pointed end capping, and formation of branching networks of filaments" <i>Proc. Natl. Acad. Sci. USA</i> 95:6181-86.
A13	Nagase, Takahiro et al. (1996) "Prediction of the Coding Sequences of Unidentified Human Genes VI. The Coding Sequences of 80 New Genes (KIAA0201-KIAA0280) Deduced by Analysis of cDNA Clones from Cell Line KG-1 and Brain" <i>DNA Research</i> 3:321-329.
Examiner _____ Date Considered _____	
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

APPLICANT FACSIMILE OF FORM PTO-1448 REV 7-80	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO <b>GNN-005</b>	SERIAL NO <b>09/425,501</b>
LIST OF PUBLICATIONS CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT <b>Mark, Robert t al.</b>	
		FILING DATE <b>October 22, 1999</b>	GROUP

## U S PATENT DOCUMENTS

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

OTHERS (including Author, Title, Date, Pertinent Pages, Etc )

[illegible]